

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A pallet for handling electric motor armatures on automatic production lines, said armatures having an axis and comprising a plurality of portions having axial symmetry, in particular a shaft and an armature stack of ferromagnetic sheets driven on said shaft, comprising a base on which suitable support means are mounted for engaging with at least one of said portions having axial symmetry and for keeping an armature with said axis substantially horizontal preventing it from moving during its transportation characterized in that said support means ~~for supporting~~ comprises at least a first and a second support means capable of approaching and/or moving away from each other in a substantially axial direction with respect to the armature axis at the moment of receiving and/or releasing a portion of said armature and further comprising actuating means, carried by said pallet, suitable for causing said first and said second support means to approach and/or move away from each other in said substantially axial direction with respect to said armature axis at said moment of receiving and/or releasing said portion of said armature.
2. (withdrawn) The pallet recited in Claim 1, wherein said support means comprise:
 - means for bearing the armature by said armature stack of sheets, and
 - means for holding said armature stack preventing said armature from moving with respect to said support means.
3. (withdrawn) The pallet recited in Claim 2, wherein said means for bearing comprise a cradle formed by two rods that are arranged parallel to the shaft of said armature on which two generatrix lines of the armature stack rest.
4. (withdrawn) The pallet recited in Claim 2, wherein said means for bearing comprise two jaws movable with respect to each other between a first and a second position, in said first position said jaws approaching radially said armature stack for engaging with it, in said second position said jaws moving away for having said armature loaded/unloaded.

5. (withdrawn) The pallet recited in Claim 4, wherein said movable jaws are mounted sliding transversally to the shaft of said armature and biased by resilient means.
6. (withdrawn) The pallet recited in Claim 2, wherein said means for bearing comprise two jaws, said jaws running from a first closed position on said armature stack to a second open position forced by a releasing means which can move in a direction substantially orthogonal to said base.
7. (withdrawn) The pallet recited in Claim 6, wherein said releasing means has surfaces conjugated to surfaces integral to said jaws, in said second position said jaws being influenced by a resilient returning force that biases their moving away from each other, whereby when said releasing means withdraws to a starting nominal position or, in the presence of the armature stack, in said first position where they are closed on the armature stack, they have a residual resilient force sufficient to hold the armature.
8. (withdrawn) The pallet recited in Claim 7, wherein said releasing means are integral to a gripper belonging to a means for picking up said armature from the above or from below.
9. (withdrawn) The pallet recited in Claim 3, wherein said or each jaw has an end shaped in order to form substantially a bevel that makes easier the introduction from the above of said armature stack and the other end hinged to said base, whereby said jaws can move rotationally with respect to each other rotating between said first and said second position biased by a resilient force and resting against said armature stack of sheets.
10. (withdrawn) The pallet recited in Claim 2, wherein said support means is arranged as a cradle for said armature stack and has at least one portion of its surface that faces said armature stack of sheets, said means for holding comprising at least one magnet that houses in said portion, whereby the armature stack at said magnet is magnetically attracted thus blocking the whole armature.
11. (withdrawn) The pallet recited in Claim 2, wherein said support means is arranged as a cradle for said armature stack of sheets, said means for holding comprising an element suitable for pushing said armature against said support means.
12. (withdrawn) The pallet recited in Claim 2, wherein said base is provided with an opening to

allow lifting means to pass and raise said armature through said pallet from below.

13. (withdrawn) The pallet recited in Claim 2, a plurality of support means is provided for carrying a plurality of armatures in parallel.

14. (withdrawn) The pallet recited in Claim 2, having a first and a second axis, where a first support means is provided suitable for carrying at least one armature of a first family size parallel to said first axis, and second support means is provided suitable for carrying at least one armature of a second family size parallel to said second axis.

15. (withdrawn) The pallet recited in Claim 2, where the support means allow with respect to the pallet to receive an armature both with commutator oriented in a first direction and with commutator oriented in a second direction, opposite to the first, said support means being sized so that when the commutator is arranged in the first direction with respect to the pallet the armature belongs to a first dimensional class, whereas when the commutator is arranged in the second direction, the armature belongs to a second dimensional class, different from the first, said support means having means for bearing the armature at the armature stack and means for holding the armature stack that are doubled.

16. (cancelled)

17. (previously presented) The pallet recited in Claim 1, wherein said first and said second support means are capable of approaching and/or moving away from each other in a substantially axial direction with respect to said armature axis.

18. (withdrawn) The pallet recited in Claim 16, wherein said first and said second support means are capable of approaching and/or moving away from each other in a substantially radial direction with respect to the armature axis.

19. (previously presented) The pallet recited in Claim 17, wherein only said first or only said second support means move at the moment of receiving and/or releasing said armature axis whereas said second and/or said first support means remain still.

20. (cancelled)

21. (currently amended) The pallet recited in Claim [[20]] 1, wherein said actuating means is ~~are~~ a pneumatic type.

22. (previously presented) The pallet recited in Claim 17, wherein at least one of said support means has an elongated portion movable in a substantially axial direction suitable for engaging with a portion of said shaft of said armature, said elongated portion being capable of inserting in a space between coils of said armature and said shaft of said armature.

23. (original) The pallet recited in Claim 22, wherein said elongated portion of said support means is connected to said actuating means with a releasable connection so that it can be replaced by one of different size.

24. (currently amended) The pallet recited in Claim [[17]] 1, wherein ~~a moving away stroke of said first and said second support means is biased by~~ said actuating means is a resilient means.

25. (previously presented) The pallet recited in Claim 17, wherein said support means have a bevelled end shaped in order to provide a region that makes easier the location of said armature on said pallet from above.

26. (withdrawn) The pallet recited in Claim 18, wherein said support means are two jaws having a substantially "V-shaped" surface suitable for receiving shafts of armatures of different size.

27. (previously presented) The pallet recited in Claim 17, wherein said base is provided with at least one opening.

28. (cancelled)

29. (withdrawn)

30. (cancelled)

31. (currently amended) A pallet for handling electric motor armatures on automatic production lines, comprising:

a base;

support means mounted on said base, wherein said support means comprise at least a first and a second support means, wherein at least one of said support means has an elongated portion for receiving a ~~hidden~~ shaft, wherein a distal end of said shaft is aligned, orthogonal to an axis for said armature, with a coil winding turn for said armature, wherein at least one of said support means move orthogonal to said at least one ~~hidden~~ shaft and receive said at least one ~~hidden~~ shaft

in an axial direction, wherein said armature has an axis and said support means keep said armature axis substantially horizontal and prevent said armature from moving during transportation.

32. (cancelled)

33. (previously presented) A pallet for handling electric motor armatures on automatic production lines, comprising:

a base; and,

a support means comprising first and second support means mounted on said base, said support means suitable to engage an armature having an axis and comprising a plurality of portions having axial symmetry, wherein said portions of said armatures include a shaft and an armature stack of ferromagnetic sheets driven on said shaft, wherein said support means engage at least one of said portions having axial symmetry and said axis of said armature is held substantially horizontal and prevented from moving during transportation, said first and second support means capable of approaching and/or moving away from each other in a substantially axial direction, with respect to said armature axis, at the moment of receiving and/or releasing a portion of said armature, wherein at least one of said support means has an elongated portion movable in a substantially axial direction suitable for engaging a portion of said shaft of said armature, said elongated portion being capable of inserting into a position roughly between coils of said armature and said shaft of said armature, wherein said elongated portion of said support means is connected to an actuating means with a releasable connection so that it can be replaced by one of different size.

34. (new) A method for handling an electric motor armature on an automatic production line, comprising the steps of:

causing first and second supporting means on said pallet to move toward each other in a first direction parallel to an axis for said armature to insert at least one of said first and second supporting means in a portion of said armature, wherein said causing to move is performed by an actuating means carried by said pallet; and,

causing, using said actuating means carried by said pallet, said first and second supporting means to move away from each other in a second direction parallel to said axis for said armature to

release said at least one of said first and second supporting means from said portion of said armature.

35. (new) The method of Claim 34 wherein said actuating means carried by said pallet is selected from the group consisting of a pneumatic actuator and a resilient means.

36. (new) A pallet for handling electric motor armatures on automatic production lines, comprising:

a base;

first and second support means mounted on said base and capable of approaching and/or moving away from each other in a substantially axial direction with respect to the armature axis at a moment of receiving and/or releasing a portion of said armature; and,

actuating means, carried by said base, suitable for causing said first and said second support means to approach and/or move away from each other in said substantially axial direction with respect to said armature axis at said moment of receiving and/or releasing said portion of said armature.

37. (new) The pallet recited in Claim 36 wherein said actuating means carried by said base is a pneumatic actuator.

38. (new) The pallet recited in Claim 36 wherein said actuating means carried by said base is a resilient means.